

IN THE CLAIMS:

12. (currently amended) An ultraviolet laser device for oscillating pulsed laser by adding an amount of 1 to 100pm of xenon gas for ultraviolet laser introduced into a chamber, and causing pulse oscillation in the chamber so as to excite the gas for ultraviolet laser to oscillate the pulsed laser, comprising:

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a xenon gas cylinder in which xenon gas is sealed;

an ultraviolet laser gas cylinder in which the gas for ultraviolet laser is sealed;

an ultraviolet laser gas supply piping connecting the ultraviolet laser gas cylinder and the chamber;

a first valve disposed ~~on~~ in the ultraviolet laser gas supply piping ~~on the side of the chamber~~;

a second valve disposed ~~on~~ in the ultraviolet laser gas supply piping ~~on the side of~~ between the first valve and the ultraviolet laser gas cylinder;

a xenon gas piping for connecting the xenon gas piping and the ultraviolet laser gas supplying piping between the first valve and the second valve;

a third valve disposed ~~on~~ in the xenon gas piping; and

a pressure gauge for measuring a pressure arranged within a mixture piping divided defined by the first valve, the second valve, and the third valve.

the buffer gas mainly contains He and, Xe is added to the laser
gas. --